

IN THE CLAIMS

1. (Currently Amended) An apparatus for assessing a risk of a terrorist attack comprising:
 - a memory;
 - an input device;
 - a display device; and
 - a processor connected to the memory, the input device and the display device, the processor being configured to perform the steps of:
 - inputting information about a site of potential terrorist attack from a user;
 - constructing a model of the site based on the information input from the user;
 - accepting a designation from the user of a weapon and delivery point at the site;
 - determining an accessibility of the site to the weapon/delivery point by
 - determining a threat vector which is mostly likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;
 - determining a probability that a terrorist attack using the weapon and at the delivery point will occur; and
 - calculating a risk based at least partially on the accessibility and probability.
2. (Previously Presented) The apparatus of Claim 1, wherein the risk is further based on a consequence calculation.
3. (Original) The apparatus of Claim 2, wherein the consequence calculations is performed by outputting data including model data to a consequence calculator plug-in and accepting consequence data from the plug-in.
4. (Previously Presented) The apparatus of Claim 1, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and

risk.

5. (Original) The apparatus of Claim 1, wherein the processor is further configured to perform the step of displaying a three dimensional representation of the most likely threat vector to the user.

6. (Previously Presented) The apparatus of Claim 1, wherein the risk is calculated using a Bayesian network.

7. (Currently Amended) A method for assessing a risk of a terrorist attack comprising the steps of:

inputting information about a site of a potential terrorist attack from a user;
constructing a model of the site based on the input from the user;
accepting a designation from the user of a weapon and delivery point at the site;
determining an accessibility of the site by determining a threat vector which is a most likely threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;
determining a probability that a terrorist attack using the weapon and at the delivery point will occur; and
calculating a risk based at least partially on the accessibility and probability.

8. (Previously Presented) The method of Claim 7, wherein the risk is further based on consequence calculation.

9. (Original) The method of Claim 8, wherein the consequence calculations is performed by outputting data including model data to a consequence calculator plug-in and accepting consequence data from the plug-in.

10. (Previously Presented) The method of Claim 7, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and

risk.

11. (Original) The method of Claim 7, wherein the processor is further configured to perform the step of displaying a three dimensional representation of the most likely threat vector to the user.

12. (Previously Presented) The method of Claim 7, wherein the risk is calculated using a Bayesian network.

13. - 41. (Canceled)

42. (New) The apparatus of Claim 1, wherein the probability is based on at least one factor independent of the site.

43. (New) The apparatus of Claim 42, wherein the probability is based at least in part on a trigger event.

44. (New) The apparatus of Claim 42, wherein the trigger event is an historical event.

45. (New) The method of Claim 7, wherein the probability is based on at least one factor independent of the site.

46. (New) The method of Claim 45, wherein the probability is based at least in part on a trigger event.

47. (New) The method of Claim 45, wherein the trigger event is an historical event.

48. (New) An apparatus for assessing a risk of a terrorist attack comprising:

a memory;

an input device;

a display device; and

a processor connected to the memory, the input device and the display device, the processor being configured to perform the steps of:

inputting information about a site of potential terrorist attack from a user;

constructing a model of the site based on the information input from the user;
accepting a designation from the user of a weapon and delivery point at the site;
determining an accessibility of the site to the weapon/delivery point by
determining a threat vector which is mostly likely the threat vector by which the weapon will be
delivered and the likelihood of a successful delivery based on the model;
determining a probability that a terrorist attack will occur, the probability being
based on at least one factor independent of the site; and
calculating a risk based at least partially on the accessibility and probability.

49. (New) A method for assessing a risk of a terrorist attack comprising the steps of:
inputting information about a site of a potential terrorist attack from a user;
constructing a model of the site based on the input from the user;
accepting a designation from the user of a weapon and delivery point at the site;
determining an accessibility of the site by determining a threat vector which is a most
likely threat vector by which the weapon will be delivered and the likelihood of a successful
delivery based on the model;
determining a probability that a terrorist attack will occur, the probability being based on
at least one factor independent of the site; and
calculating a risk based at least partially on the accessibility and probability.